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MASINDE MULIRO UNIVERSITY OF SCIENCE AND TECHNOLOGY (MMUST)
SCHOOL OF AGRICULTURE, VETERINARY SCIENCES AND TECHNOLOGY (SAVET)

MAIN CAMPUS

UNIVERSITY EXAMINATIONS
2023/2024 ACADEMIC YEAR

SECOND YEAR SECOND SEMESTER EXAMINATIONS

MAIN EXAMS
OF
DIPLOMA IN HORTICULTURE

COURSE CODE: DAH 078

COURSE TITLE: BEVERAGES, MEDICINAL AND NUT CROPS

DATE: 25.04.2024 **TIME: 8-5PM**

INSTRUCTIONS TO CANDIDATES

THIS PAPER IS DIVIDED INTO TWO SECTIONS, **A AND B**. ANSWER ALL QUESTIONS IN SECTION A AND ANY TWO IN SECTION B

MMUST observes ZERO tolerance to examination cheating

This Paper Consists of 2 Printed Pages. Please Turn Over

SECTION A: ANSWER ALL QUESTIONS (40 MARKS)

Q1. Define the following term **(5mks)**

i) Medicinal Crop

ii) Nut

iii) Functional beverage

iv) Herb

v) Spice

Q2. State **FIVE** factors favoring coffee production in Kenya. **(5mks)**

Q3. Outline **SIX** reasons why pruning is necessary in coffee **(6mks)**

Q4. Indicate **TWO** examples of the following **(4mks)**

i) Alcoholic drinks

ii) Non-alcoholic drinks

Q5. Name four types of tea **(4mks)**

Q6. a) State two uses of cocoa **(2mks)**

b) List two examples each of beverage, spices, herbs and nut crops **(4mks)**

Q7. a) Outline the insecticidal properties of pyrethrum **(3mks)**

b) State four uses of cashew nuts **(4mks)**

Q8. Distinguish between spice and herb citing examples. **(3mks)**

SECTION B: ANSWER ANY TWO QUESTIONS (30MARKS)

Q9. As the food and beverage landscape continues to evolve, staying attuned to these trends and embracing innovation will be crucial for businesses in the beverages, spices, herbs, and nuts industries. Discuss briefly **(15mks)**

a) The importance of these industries to the Kenyan economy.

b) Challenges facing the coffee industry in Kenya.

c) The future of medicinal crops in Kenya.

Q10. Discuss ten spices and herbs grown in Kenya citing the health benefits. **(15mks)**

Q11. Discuss nut crops under the following headings; **(15mks)**

a) Uses of coconut

b) Health benefits and market trends of Macadamia

c) Products of cashew nut crop